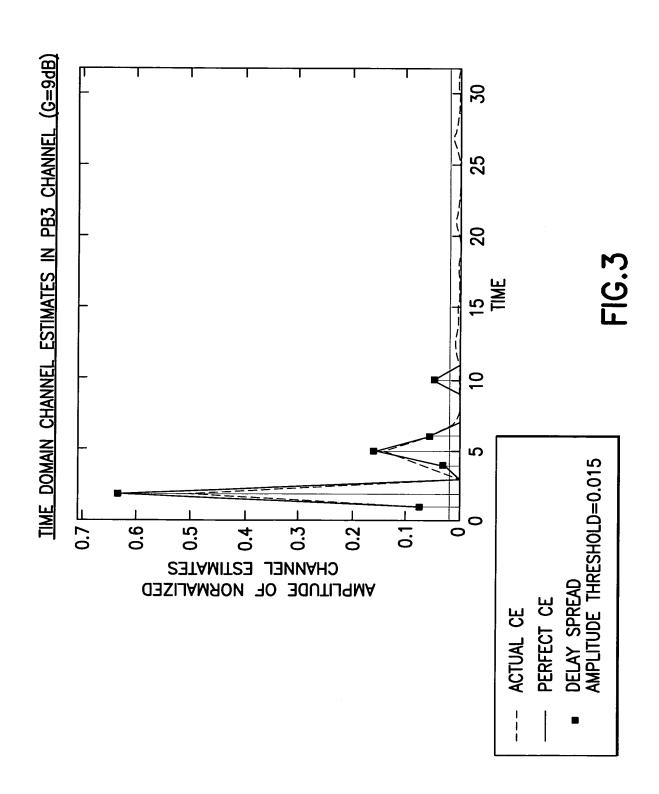


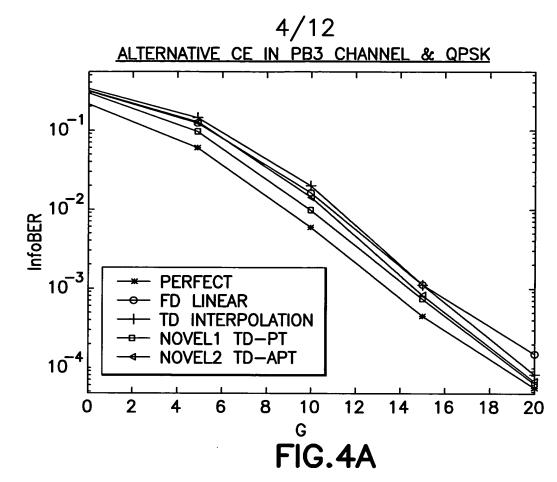
م	ס	ס	ס	ס	ס	ס	P	م	P	Р	Ъ	p	ס	Р	p	۵
م	٥	ס	p	ъ	0	p	p	d	p	p	p	ס	P	ס	p	م
م	ס	ס	Ъ	ס	ס	ס	ס	d	Р	ס	p	Б	p	Ъ	ס	م
م	٥	ס	ס	ס	ס	ס	ס	م	ס	Р	Р	p	ρ	ס	p	۵
م	0	ס	ס	٥	ס	ס	٥	م	Р	ס	ס	P	p	Р	p	d
م	٥	ס	ס	ס	ס	٥	ס	م	P	ס	p	Р	p	P	p	d
۵	ס	ס	ס	ס	ρ	ס	ס	م	ס	ס	Р	Ъ	р	Р	p	م
م	٥	ס	Ф	ס	ס	ס	ъ	م	ס	ס	p	p	р	Р	р	d
م	ס	ס	P	ס	ס	Р	Ρ	م	ρ	Р	р	р	Р	р	р	۵
۵	Ъ	р	р	р	р	р	р	d	р	р	p	р	þ	р	р	۵
م	Р	р	p	þ	р	р	р	d	р	p	Р	р	р	р	р	р
d	þ	Р	þ	р	þ	р	р	d	р	Р	р	р	р	р	р	۵
d	р	р	Р	р	p	Р	Р	d	Р	Р	р	р	Р	Р	þ	۵
d	þ	р	þ	þ	p	р	Р	d	Р	Р	р	р	Р	р	Р	م
d	р	р	р	þ	þ	ס	р	d	þ	Р	p	Р	p	р	þ	۵
م	р	Ъ	٦	ס	ס	Ъ	p	р	р	p	ס	ס	Ф	р	р	۵

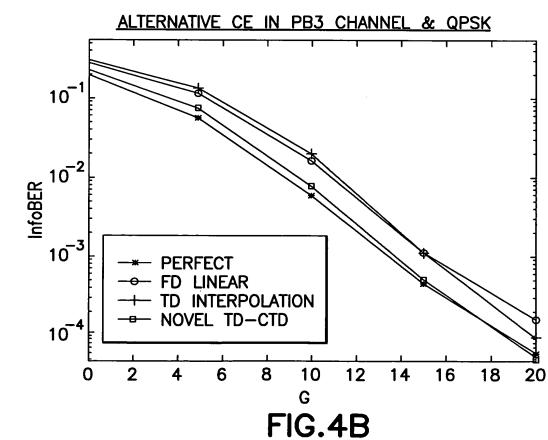
FREQUENCY DOMAIN

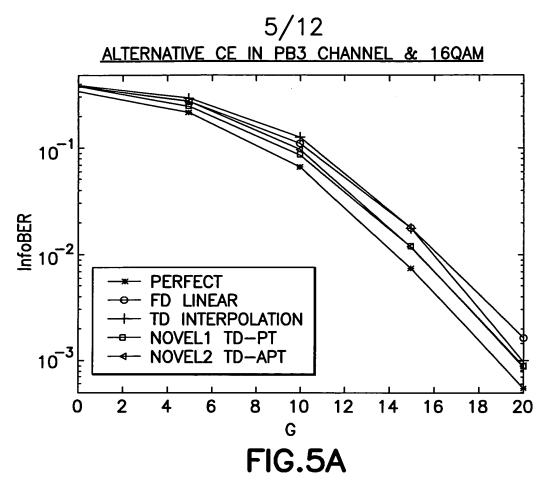
TIME DOMAIN

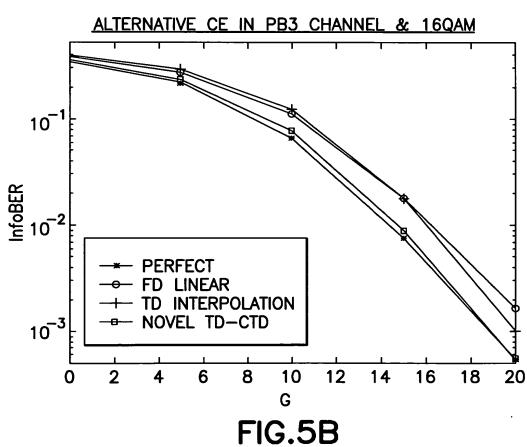
p: PILOT d: DATA

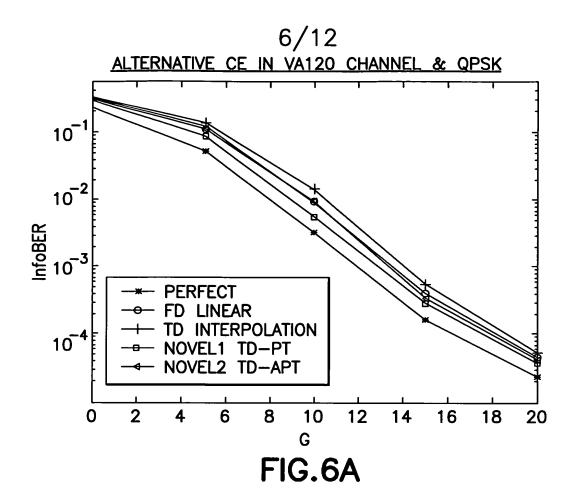


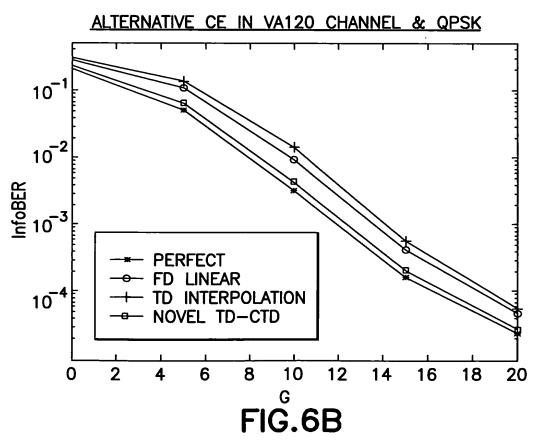


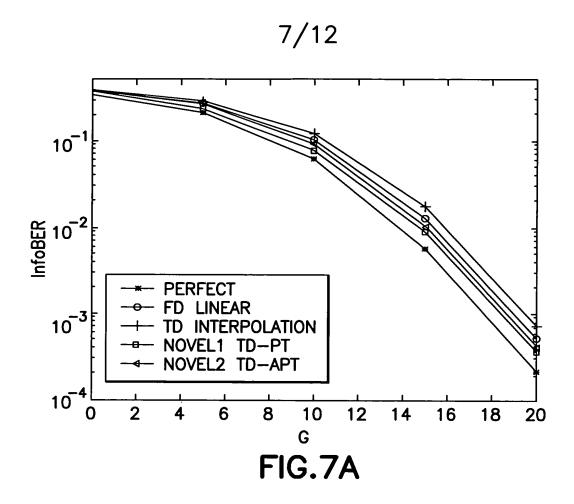


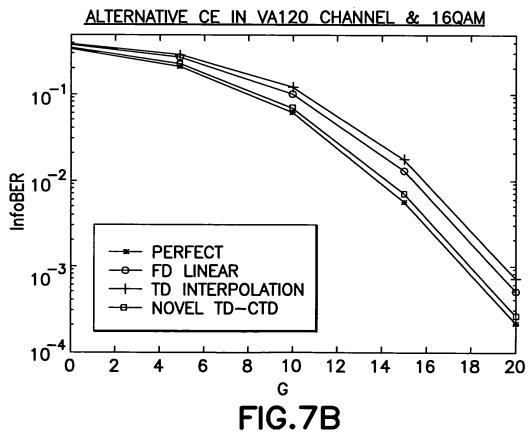


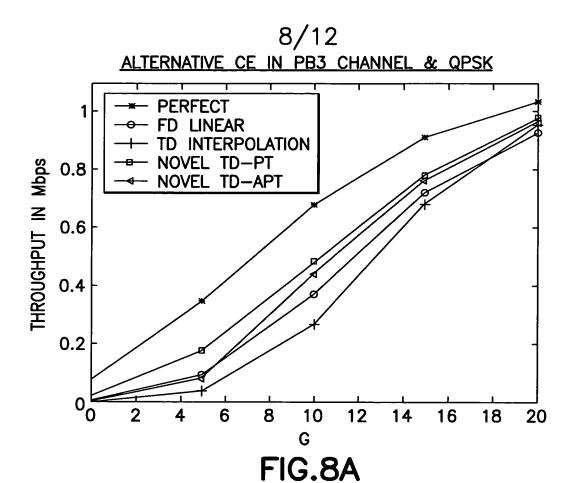


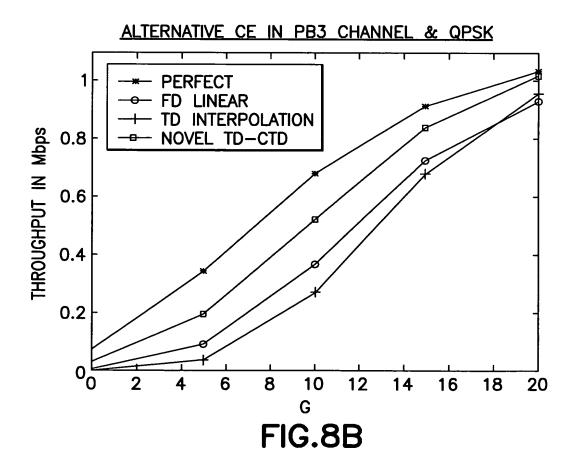


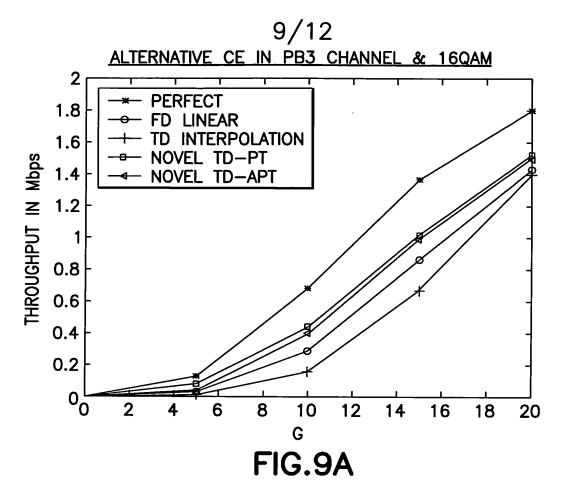


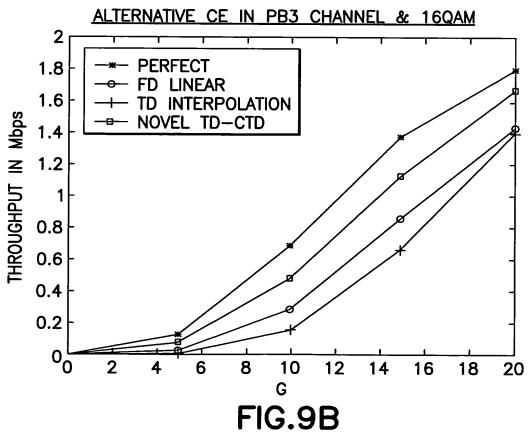




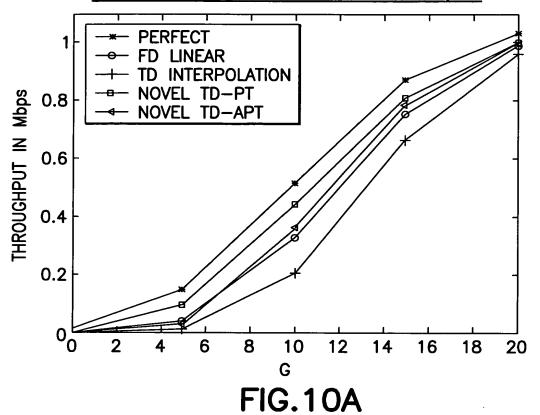




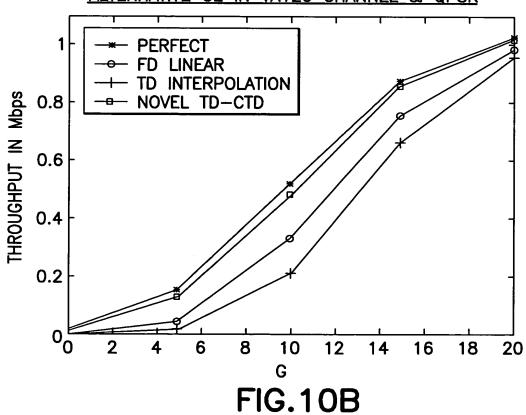


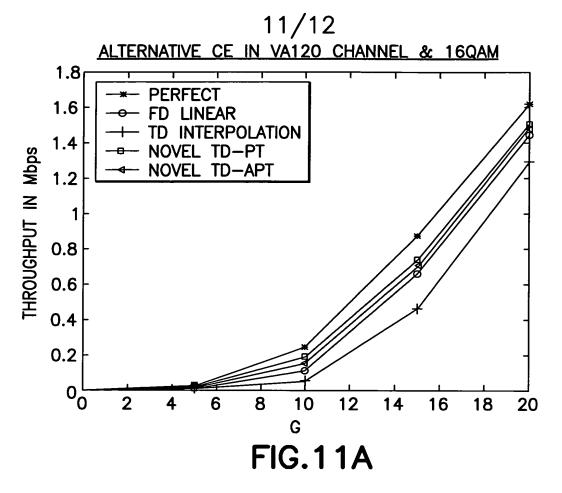


10/12 ALTERNATIVE CE IN VA120 CHANNEL & QPSK



ALTERNATIVE CE IN VA120 CHANNEL & QPSK





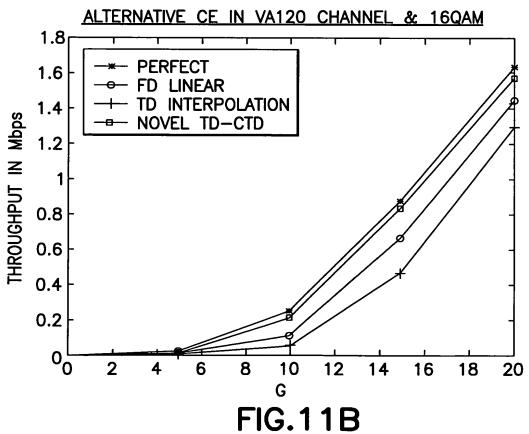


TABLE 2

	PB3		VA120	20
	QPSK	16QAM	QPSK	16QAM
TO-PT	0.5 dB	1.0 dB	1.4 dB	1.0 dB
TD-APT	1.5 dB	1.0 dB	BP 0.0	0.5 dB
TD-DS	2.2 dB	1.2 dB	2.0 dB	1.5 dB

FIG. 12

TABLE 3

	PB3		VA120	20
	QPSK	16QAM	XSAD	16QAM
TD-PT	30.7%	53.0%	34.2%	20.8%
TD-AT	18.4%	38.3%	%9.6	41.0%
TD-DS	40.9%	68.1%	45.1%	92.0%

FIG. 13